

## Claims

- [c1] 1.A mounting apparatus for a telescope, comprising:  
a mount for attachment to a telescope providing a non-circular groove;  
a non-circular rail insertable in the groove of the mount;  
an adjustable platform providing a second non-circular groove, adaptable for mounting a photonic receptor device on said rail;  
whereby the photonic device may be mounted and adjusted to align the photonic device on the longitudinal optical axis of the telescope system.
- [c2] The mounting apparatus of claim 1 further comprising an opaque hood covering the space after alignment of the telescope lens eyepiece with the photonic receptor device.
- [c3] The mounting apparatus of claim 1 wherein the mount for attachment to a telescope comprises:  
a rear cell adapter providing a throat for engagement of the telescope eyepiece;  
a yoke compressively fitted around said rear cell adapter; and,  
a non-circular groove on said yoke for engagement with a mounting rail.
- [c4] The mounting apparatus of claim 1 wherein the non-circular rail comprises:  
a lightweight elongate square member providing a groove therethrough whereby a wrench may be inserted through the rail; and,  
a space for insertion of a locking device on each end of the non-circular rail whereby the rail may not be inadvertently removed from the yoke.
- [c5] The mounting apparatus of claim 1 wherein the adjustable platform comprises:  
a second groove adaptable for insertion and retention of the rail;  
means for movement of photonic receptor in each of the planes perpendicular to longitudinal optical axis of the telescope; and,  
means for tilting the photonic receptor in the longitudinal optical axis of the telescope.